



03-12-01

ATTORNEY DOCKET NO.: 13455.00002

PATENT

1046
#5
S.B.
3-16-01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Patent application of:
Duncan McGregor

Group Art Unit: 1646

Serial No.: 09/486,882

Examiner: Not yet Assigned

Filed: March 2, 2000

For: CHIMERIC BINDING PEPTIDE
LIBRARY SCREENING METHOD

RECEIVED

MAR 15 2001

TECH CENTER 1600/2900

Certificate of Mailing Under 37 C.F.R. 1.10

EXPRESS MAIL NO.:

EL582441650US)

Date of Deposit:

3/9/01

I hereby certify that this paper, along with any paper referred to as being attached or enclosed and/or fee is being deposited with the United States Postal Service, "Express Mail - Post Office to Addressee" service under 37 C.F.R. 1.10, on the date indicated above, and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Date

3/9/01

Sherrey Barag
Signature
SHERREY BARAG

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. §1.56 and in accordance with 37 C.F.R. §§1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 C.F.R. §1.56(b).

In accordance with §1.97(b), since this Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits of the above-identified application, no additional fee is required.

Copies of each of the references listed on the attached Form PTO-1449 are enclosed herewith.

Please charge any deficiency or credit any overpayment to Deposit Account No. 50-1089.
This form is submitted in duplicate.

Respectfully submitted,


TERESA O. BITTENBENDER
Registration No. P47,425

SAUL EWING LLP
Centre Square West
1500 Market Street, 38th Floor
Philadelphia, PA 19102
Phone: 215-972-7826
Fax: 215-972-1831

Form PTO-1449 Modified		Client Matter No. 13455.00002	Serial No. 09/486,882
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)		Applicant Duncan McGregor	RECEIVED <i>MAR 15 2001</i>
U.S. Department of Commerce Patent and Trademark Office		Filing Date March 2, 2000	Group 1646 TECH CENTER 1600/2900

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AA	Peterson, G. <i>et al.</i> , Dissection of the ATP binding domain of the chaperone hsc70 for interaction with the cofactor Hap46. <i>J. Biol. Chem.</i> (2000) (abstract only) ✓
	AB	Vitaliti, A. <i>et al.</i> , Inhibition of tumor angiogenesis by a single-chain antibody directed against vascular endothelial growth factor. <i>Cancer Res.</i> 60:4311-4314 (2000) (abstract only) ✓
	AC	Petrenko, V.A. and Smith, G.P., Phages from landscape libraries as substitute antibodies. <i>Protein Eng.</i> 13:589-592 (2000) (abstract only) ✓
	AD	Ferrieres G. <i>et al.</i> , Affinity for the cognate monoclonal antibody of synthetic peptides derived from selection by phage display: Role of sequences flanking the binding motif. <i>Eur. J. Biochem</i> 267:1819-1829 (2000) (abstract only) ✓
	AE	Mao, S. <i>et al.</i> , Phage-display library selection of high-affinity human single-chain antibodies to tumor-associated carbohydrate antigens sialyl Lewisx and Lewisx. <i>Proc. Natl. Acad. Sci USA</i> 96:6953-6958 (1999) (abstract only) ✓
	AF	Ivanenkov, V.V. <i>et al.</i> , Targeted delivery of multivalent phage display vectors into mammalian cells. <i>Biochim. Biophys. Acta</i> 1448:463-472 (1999) (abstract only)
	AG	Burritt, J.B. <i>et al.</i> , Topological mapping of neutrophil cytochrome b epitopes with phage-display libraries. <i>J. Biol. Chem.</i> 270:16974-16980 (1995) (abstract only)
	AH	Silverman, G.J. <i>et al.</i> , Superantigen properties of a human sialoprotein involved in gut-associated immunity. <i>J. Clin. Invest.</i> 96:417-426 (1995) (abstract only)
	AI	Smith, J.W. <i>et al.</i> , Building synthetic antibodies as adhesive ligands for integrins. <i>J. Biol. Chem.</i> 269:32788-32795 (1994) (abstract only)
	AJ	Meulemans, E.V. <i>et al.</i> , Selection of phage-displayed antibodies specific for a cytoskeletal antigen by competitive elution with a monoclonal antibody. <i>J. Mol. Biol.</i> 244:353-360 (1994) (abstract only)
	AK	Hughes-Jones, N.C. <i>et al.</i> , Characterization of human blood group scFv antibodies derived from a V gene phage-display library. <i>Br. J. Haematol.</i> 88: 180-186 (1994) (abstract only)
	AL	Tyutyulkova, S. and Paul, S., Selection of functional human immunoglobulin light chains from a phage-display library. <i>Appl. Biochem. Biotechnol.</i> 47:191-197 (1994) (abstract only)

EXAMINER	DATE CONSIDERED
-----------------	------------------------

**Form PTO-1449 Modified**

List of Patent and Publications Cited by Applicant
(Use several sheets if necessary)

U.S. Department of Commerce
Patent and Trademark Office

Client Matter No.
13455.00002

Serial No.
09/486,882

Applicant
Duncan McGregor

Filing Date
March 2, 2000

Group
1646

RECEIVED

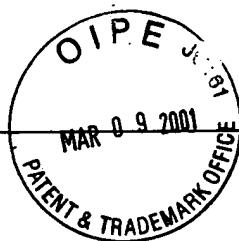
MAR 15 2001

TECH CENTER 1600/2900

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	BA	McCafferty, J. <i>et al.</i> , Selection and rapid purification of murine antibody fragments that bind a transition-state analog by phage display. <i>Appl. Biochem Biotechnol.</i> 47:157-171 (1994) (abstract only)
	BB	Sasano, M. <i>et al.</i> , Molecular selection of human antibodies with an unconventional bacterial B cell antigen. <i>J. Immunol.</i> 151:5822-5839 (1993) (abstract only)
	BC	Gawyler, C. <i>et al.</i> , Methodology for selection of human antibodies to membrane proteins from a phage-display library. <i>J. Immunol. Methods</i> 26:193-203 (1997) (abstract only)
	BD	Iba, Y. and Kurosawa, Y., Comparison of strategies for the construction of libraries of artificial antibodies. <i>Immunol. Cell Biol.</i> 75:217-221 (1997) (abstract only)
	BE	Engberg, J. <i>et al.</i> , Phage-display libraries of murine and human antibody Fab fragments. <i>Mol. Biotechnol.</i> 6:287-310 (1996) (abstract only)
	BF	Fakhfakh, F. <i>et al.</i> , Antibody epitopes probed by immunoselected phage-display library peptides in members of a family with various rheumatic manifestations. <i>Clin. Exp. Rheumatol.</i> 14:607-611 (1996) (abstract only)
	BG	Barbas, C.F. and Burton, D.R., Selection and evolution of high-affinity human anti-viral antibodies. <i>Trends Biotechnol.</i> 14:230-234 (1996) (abstract only)
	BH	Lang, I.M. <i>et al.</i> , Recombinant rabbit Fab with binding activity to type-1 plasminogen activator inhibitor derived from a phage-display library against human alpha-granules. <i>Gene</i> 172:295-298 (1996) (abstract only)
	BI	Davies, J. and Riechmann, L., Single antibody domains as small recognition units: design and <i>in vitro</i> antigen selection of camelized, human VH domains with improved protein stability. <i>Protein Eng.</i> 9:531-537 (1996) (abstract only)
	BJ	Germaschewski, V. and Murray, J., Identification of polyclonal serum specificities with phage-display libraries. <i>J. Virol. Methods</i> 58:21-32 (1996) (abstract only)
	BK	Ward, R.L. <i>et al.</i> , Retrieval of human antibodies from phage-display libraries using enzymatic cleavage. <i>J. Immunol. Methods</i> 189:73-82 (1996) (abstract only)
	BL	Walker, J. and Banting, G., Production of phage-display antibodies for epitope mapping. <i>Methods Mol. Biol.</i> 66:391-405 (1996) (citation only)

EXAMINER**DATE CONSIDERED**

**Form PTO-1449 Modified**

List of Patent and Publications Cited by Applicant
(Use several sheets if necessary)

U.S. Department of Commerce
Patent and Trademark Office

Client Matter No.
13455.00002

Serial No.
09/486,882

RECEIVED

Applicant
Duncan McGregor

Filing Date
March 2, 2000

Group
1646

MAR 15 2001

TECH CENTER 1600/290

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

CA	Weidanz, J.A. <i>et al.</i> , Display of functional alphabeta single-chain T-cell receptor molecules on the surface of bacteriophage. <i>J. Immunol. Methods</i> 221:59-76 (1998) (abstract only)
CB	Noronha, E.J. <i>et al.</i> , Limited diversity of human scFv fragments isolated by panning a synthetic phage-display scFv library with cultured human melanoma cells. <i>J. Immunol.</i> 161:2968-2976 (1998) (abstract only)
CC	Burritt, J.B. <i>et al.</i> , Antibody imprint of a membrane protein surface. Phagocyte flavocytochrome b. <i>J. Biol. Chem.</i> 273:24847-24852 (1998) (abstract only)
CD	Iba, Y. <i>et al.</i> , Changes in the specificity of antibodies against steroid antigens by introduction of mutations into complementarity-determining regions of the V(H) domain. <i>Protein Eng.</i> 11:361-370 (1998) (abstract only)
CE	Jacobsson, J. and Frykberg, J., Gene VIII-based, phage-display vectors for selection against complex mixtures of libands. <i>Biotechniques</i> 24:294-301 (1998) (abstract only)
CF	Lamarre, A. and Talbot, P.J., Characterization of phage-displayed recombinant anti-idiotypic antibody fragments against coronavirus-neutralizing monoclonal antibodies. <i>Viral. Immunol.</i> 10:175-182 (1997) (abstract only)
	Irving, R.A. <i>et al.</i> , Affinity maturation of recombinant antibodies using <i>E. coli</i> mutator cells. <i>Immunotechnology</i> 2:127-143 (1996) (abstract only)

EXAMINER**DATE CONSIDERED**